

## CLAIMS:

1. A mechanism for a gas operated gun having a housing and a trigger, the mechanism comprising a hollow bolt slideably receiving a bolt guide fixed relative to the gun housing, the bolt being adapted to move to a forward position on the bolt guide when the trigger of the gun is pulled and to a rear position on the bolt guide when the trigger is released, the bolt having at least one radial bore at a position such that said bore is occluded by the bolt guide in the rear position of the bolt but not in the forward position of the bolt and a cylinder surrounding the bolt, the cylinder having a radial port communicating with a source of gas under pressure, characterised in that in the forward position of the bolt said port is occluded by the bolt to isolate the cylinder from said source such that only compressed gas stored in the cylinder is allowed to escape through said bore.
2. A mechanism as claimed in claim 1, characterised in that the bolt has a circumferential recess dimensioned to communicate the interior of the cylinder with said source, the recess being in register with said port only when the bolt is in its rear position.
3. A mechanism as claimed in either of the preceding claims, characterised in that said port is located in a rearward position of the cylinder and communicates with said source via a passageway external to the cylinder and extending axially thereof.
4. A mechanism as claimed in any one of the preceding claims, characterised in that means for displacing the bolt between its forward and rear positions surrounds the bolt guide behind said cylinder.
5. A mechanism as claimed in any one of the preceding claims, characterised in that said bore is one of an array of radial bores circumferentially spaced around the bolt.

6. A mechanism as claimed in any one of the preceding claims, characterised in that said port is a circumferential slot in a radial formation of the cylinder which extends into contact with the periphery of the bolt except when in register with said circumferential recess thereof.

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7. A mechanism as claimed in any one of the preceding claims, characterised in that the bolt guide has axially spaced circumferential grooves in which respective O-ring seals are located, the positioning of the grooves being such that in the rear position of the bolt said bore or bores thereof is or are between said seals but in the forward position of the bolt said bore or bores is or are in advance of the foremost of said seals.

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8. A mechanism for a gas operated gun substantially as hereinbefore described with reference to and as shown in the accompanying drawings.

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